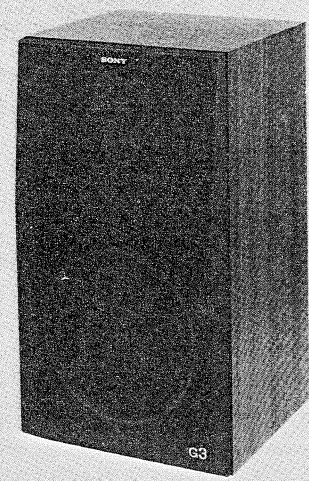
SS-G3

Canadian Model

E Model

AEP Model



CARBOCON SPEAKER SYSTEM

SPECIFICATIONS

Speaker System:	Three-way, sealed enclosure	
	Low frequency:	25 cm (10 inches) cone type
	Mid frequency:	8 cm (3 ¼ inches) cone type
	High frequency:	5 cm (2 inches) cone type
Nominal Impedance:	8 Ω	
Nominal Power Handling Capacity:	60 W DIN 45500	
Music Power Handling Capacity:	120 W DIN 45500	
Sensitivity:	92 dB (1 W, 1m) 2.5 W (96 dB, 1 m) DIN 45500	
Effective Frequency Range:	40 Hz – 20,000 Hz	
Crossover Frequencies:	900 Hz 5000 Hz	
Level Controls:	Tweeter:	from +3 dB to –47 dB continuously adjustable
	Mid-range:	from +2 dB to –4 dB continuously adjustable
Terminals:	Push pots	
Volume:	46 liters	
Dimensions:	Approx.	345 (w) x 615 (h) x 335 (d) mm 13 ½ (w) x 24 ¼ (h) x 13 ¼ (d) inches with front grille
Weight:	Approx.	17 kg, 38 lb (net) 18.5 kg, 41 lb (with shipping carton)

SONY®

SERVICE MANUAL

1. DISASSEMBLY

Remove in the numerical order as shown below.

1-1. SPEAKER UNIT

Woofer: ❶ → ❷ → ❸

Mid-range: ❶ → ❹ → ❺ → ❻ → ❼

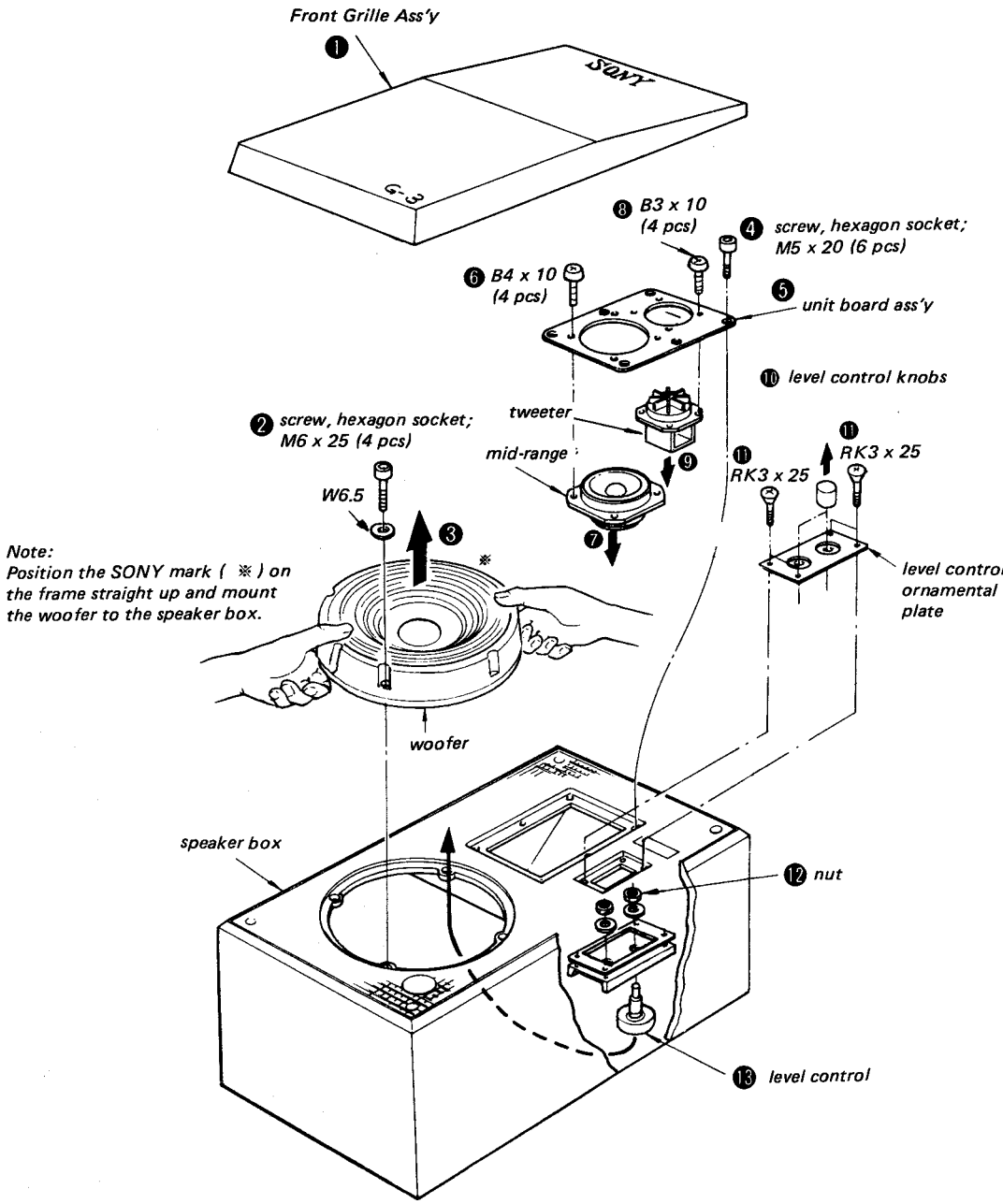
Tweeter: ❶ → ❹ → ❺ → ❽ → ❾

1-2. ATTENUATOR

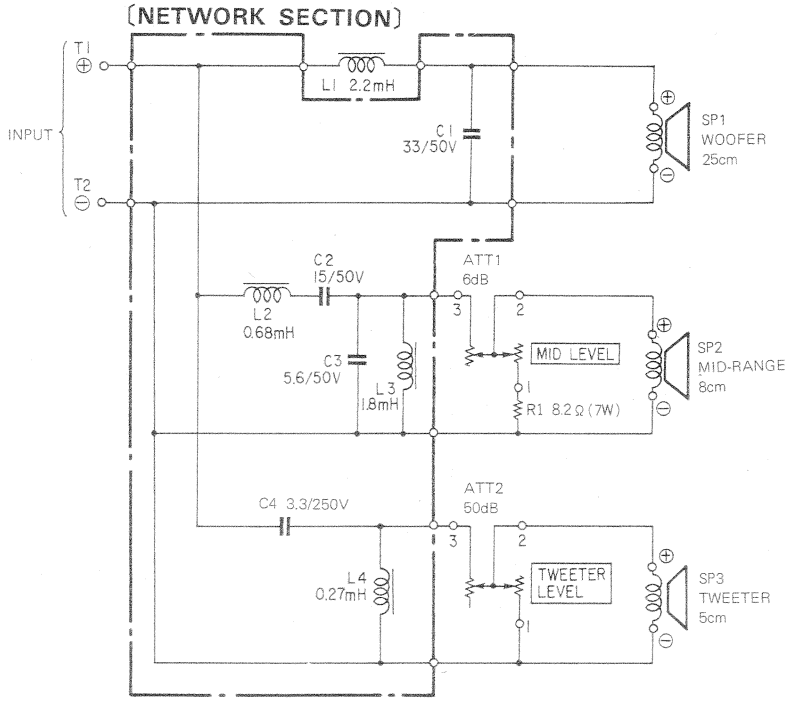
❶ → ❷ → ❸ → ❿ → ⓫ → ⓬ → ⓭

1-3. INSPECTION OF NETWORK SECTION

Remove the woofer and inspect the network circuit board.

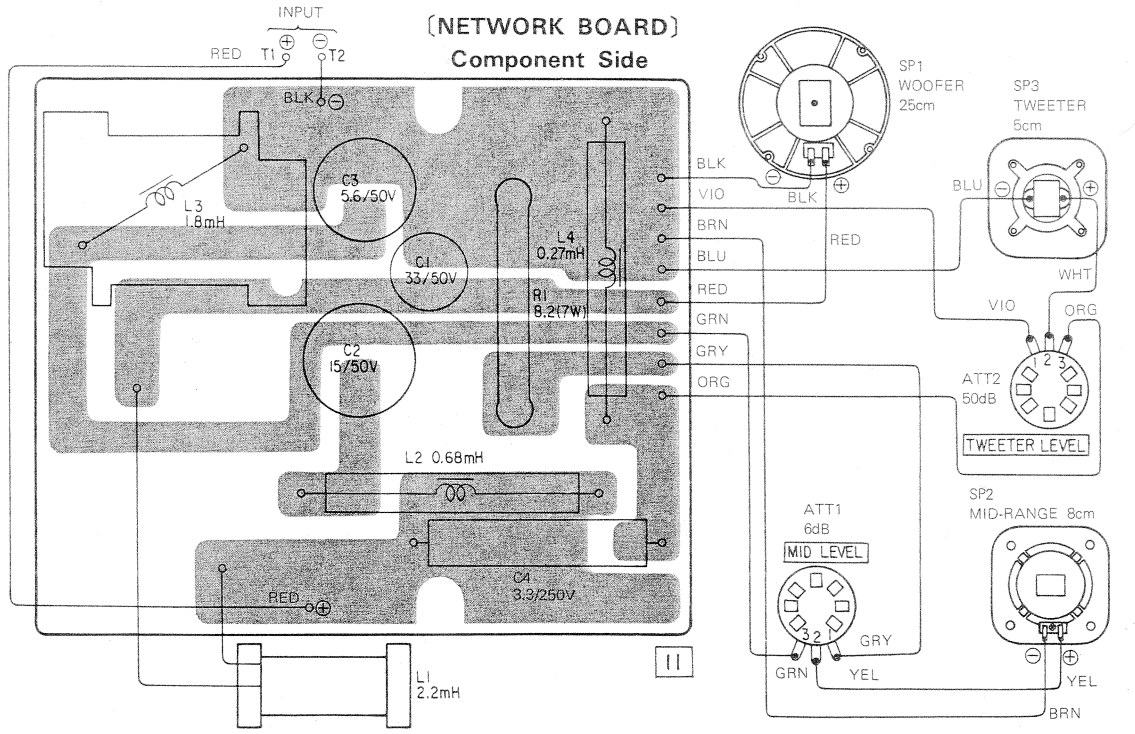


2. SCHEMATIC DIAGRAM



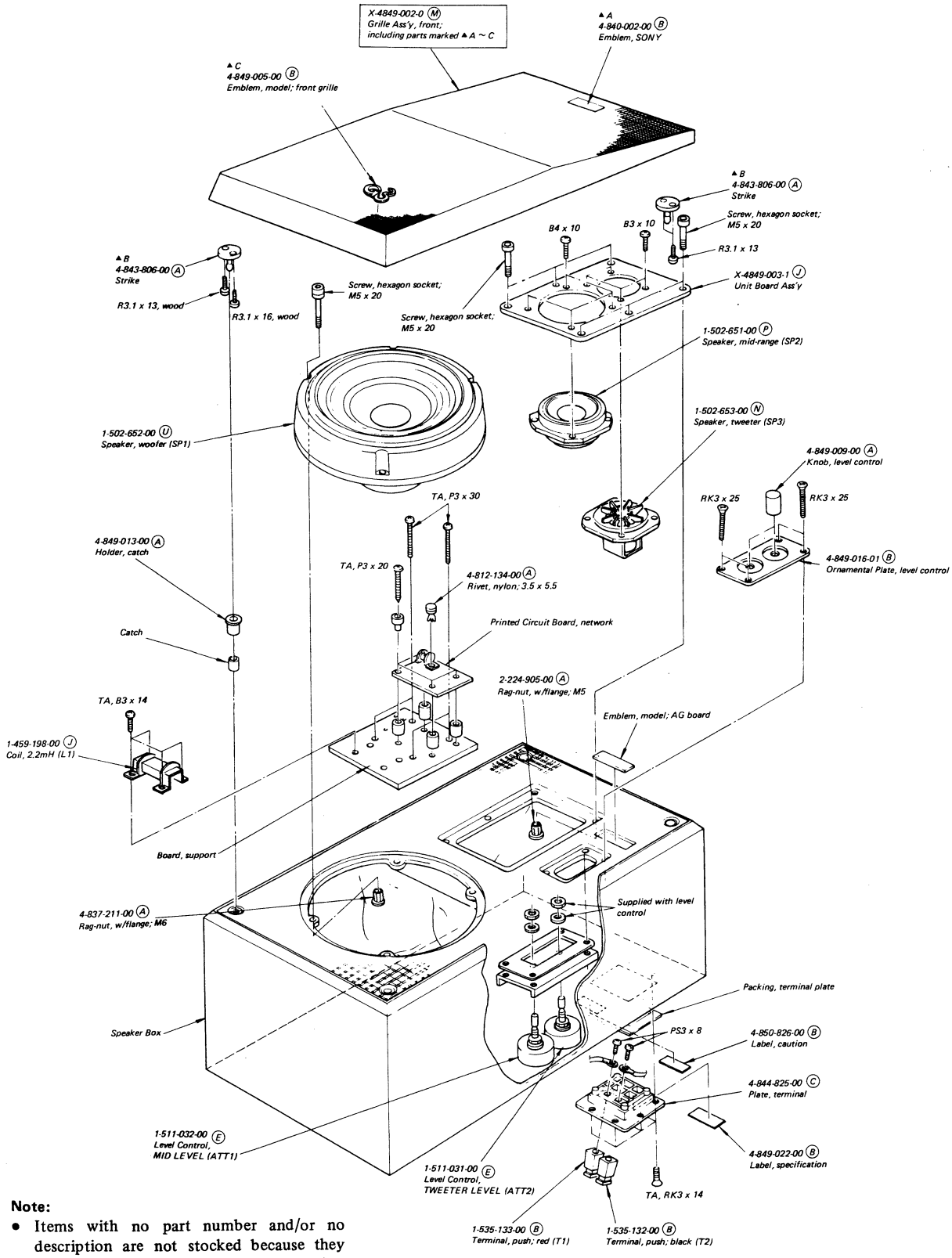
Note: All resistors and capacitors are in ohms and μF unless otherwise noted.

3. MOUNTING DIAGRAM



4. EXPLODED VIEW

Note: Circled letters (Ⓐ to Ⓩ) are applicable to European models only.



Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head

Note: Circled letters (Ⓐ to Ⓩ) are applicable to European models only.

5. ELECTRICAL PARTS LIST

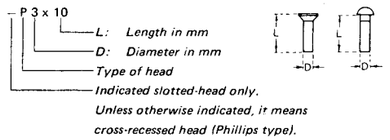
Ref. No.	*Part No.*	*Description*		
		CAPACITORS		
All capacitors are in μF.				
50WV or less are not indicated except for electrolytics.				
pF = μμF, elect = electrolytic				
C1	1-123-237-11	Ⓑ 33	50V	elect
C2	1-123-222-11	Ⓔ 15	50V	elect
C3	1-123-217-11	Ⓒ 5.6	50V	elect
C4	1-130-119-11	Ⓔ 3.3	250V	film
		RESISTORS		
All resistors are in ohms.				
R1	1-217-179-11	Ⓑ 8.2	7W	wirewound
		COILS		
L1	1-459-198-00	Ⓙ 2.2mH		
L2	1-459-170-00	Ⓒ 0.68mH		
L3	1-459-164-00	Ⓔ 1.8mH		
L4	1-459-175-00	Ⓒ 0.27mH		
		SPEAKERS		
SP1	1-502-652-00	Ⓤ Woofer		
SP2	1-502-651-00	Ⓟ Mid-range		
SP3	1-502-653-00	Ⓝ Tweeter		
		MISCELLANEOUS		
ATT1	1-511-032-00	Ⓔ Level Control, MID LEVEL		
ATT2	1-511-031-00	Ⓔ Level Control, TWEETER LEVEL		
T1	1-535-133-00	Ⓑ Terminal, push (red)		
T2	1-535-132-00	Ⓑ Terminal, push (black)		

6. ACCESSORIES & PACKING MATERIAL

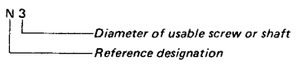
Part No.	*Description*
1-534-687-00	Ⓒ Speaker Cord
3-770-039-52	Ⓒ Manual, instruction
4-843-573-00	Ⓓ Bag, plastic
4-849-023-00	Ⓐ Sheet, protection
4-849-024-00	Ⓙ Carton
4-850-822-00	Ⓔ Cushion B
4-850-823-00	Ⓔ Cushion A

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
		SCREWS	
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCREWS	
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N		nut	
		WASHERS	
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E		retaining ring	
G		grip-type retaining ring	

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